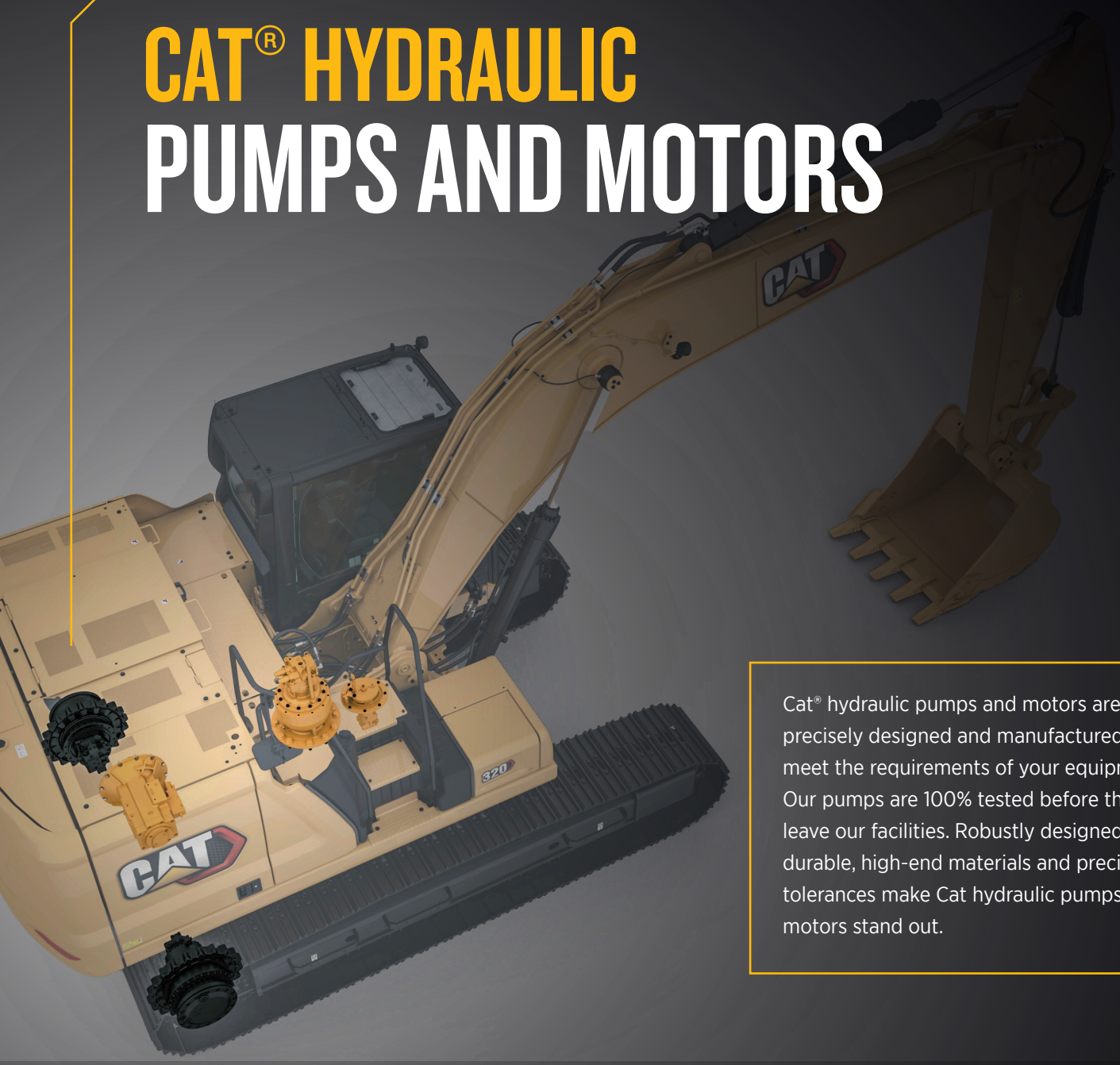
CAT® HYDRAULIC PUMPS AND MOTORS



Cat® hydraulic pumps and motors are precisely designed and manufactured to meet the requirements of your equipment. Our pumps are 100% tested before they leave our facilities. Robustly designed, durable, high-end materials and precision tolerances make Cat hydraulic pumps and motors stand out.

UNIQUELY DESIGNED FOR CAT MACHINES

Designed with exclusive features for enhanced performance, durability, and seamless integration in a highly refined, holistic hydraulic system.

INCREASED DURABILITY AND PERFORMANCE

Meets machine specifications out of the box to work with machine controls for reduced downtime. Custom splines, control pistons and lubrication system designed for Cat applications for longer pump life.

CATERPILLAR LIMITED WARRANTY

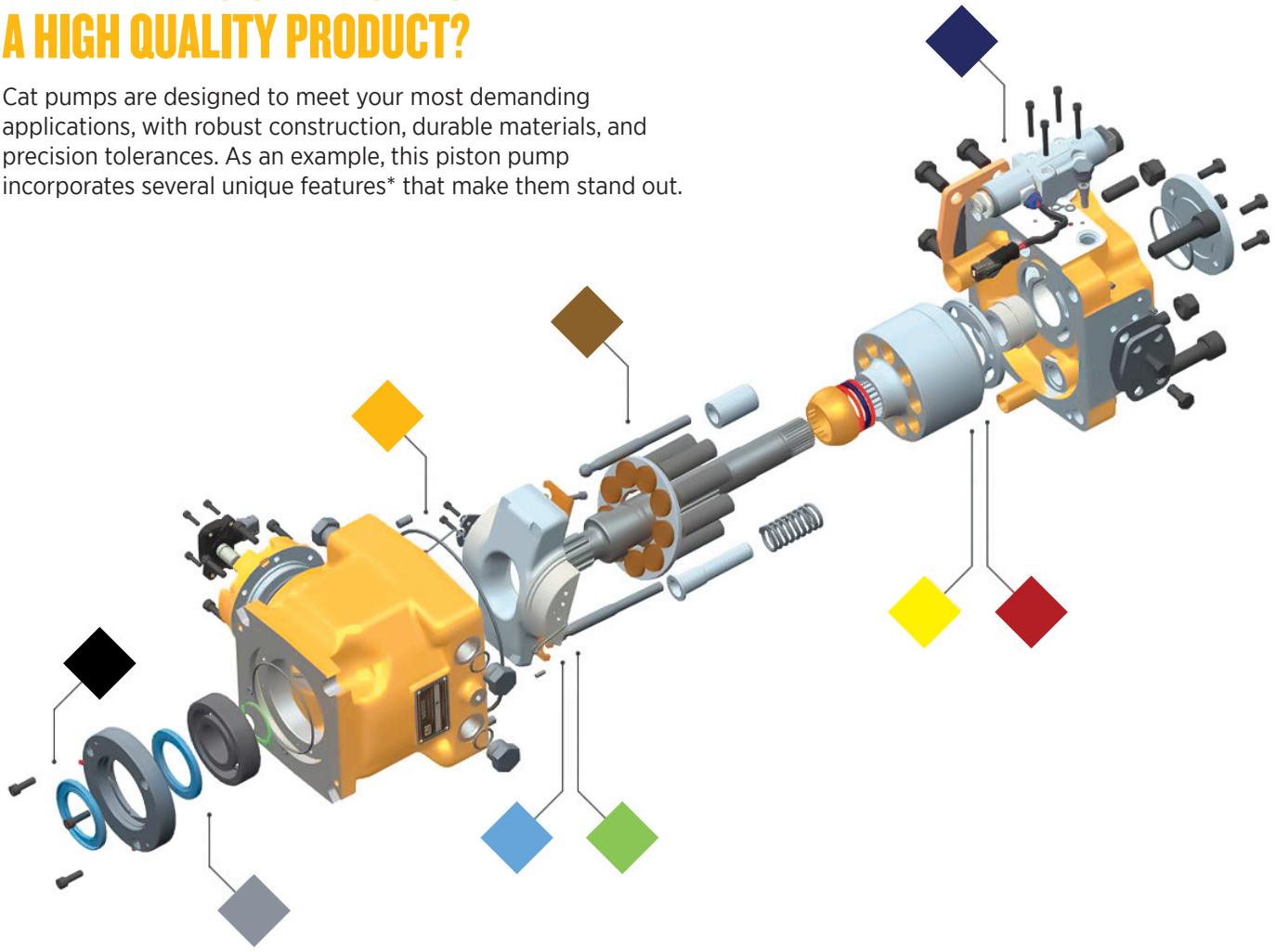
Covers resultant damaged Cat parts in the event of a failure.*

*Warranty can vary by model and application; limitations may apply. For complete details about the applicable Caterpillar Limited Warranty, contact your Toromont Cat representative or local branch.

TOROMONT CAT

WHAT MAKES CAT® PUMPS A HIGH QUALITY PRODUCT?

Cat pumps are designed to meet your most demanding applications, with robust construction, durable materials, and precision tolerances. As an example, this piston pump incorporates several unique features* that make them stand out.



HIGHER-PERFORMING SHAFT SEALS
Higher-performing shaft seals accommodate rigorous pressure, temperature (arctic to desert) and speed demands.

UNIQUELY-DESIGNED, ROBUST SEALS
Seals feature unique, robust designs that protect against case pressures.

HIGH-PERFORMING, INNOVATIVE SEALS & GASKETS
Innovative, high-performing seals and gaskets withstand extreme hydraulic system pressures and temperatures (arctic to desert ratings) for reduced leakage and increased reliability.

UNIQUE SOLENOID CONTROL VALVE
Unique solenoid control valve with features in the stroking mechanism that improve component performance and response, promoting robustness against contamination.

HIGHER-CAPACITY, DURABLE BEARINGS & BUSHINGS
Durable, higher-capacity bearings and bushings enable higher power density for peak, on-demand hydraulic system performance and up to 40% more service life than standard bearings.**

BETTER FLUSHING & LUBRICATION FLOWS
Better flushing and lubrication flows yield extended component lives.

HIGHER-GRADE SWIVEL LINKAGE & SWASH PLATE MATERIAL
Higher-grade swivel linkage and swash plate material exceed typical heat-treat standards, enabling extended component life.

HIGH-SPEED ROTATING GROUPS
High-speed rotating groups, with better fill capability, prevent cavitation erosion, which inhibits the generation of debris to improve system reliability and extend pump life.

OPTIMIZED PORT PLATE TIMING
Optimized port plate timing improves the flow and pressure dynamics of hydraulic fluid.

*Cat hydraulic pump features vary by model. **As compared to industry standard bearings.
Learn more at **toromontcat.com**

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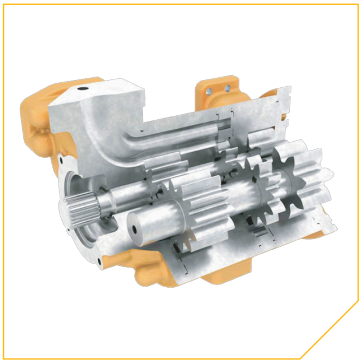
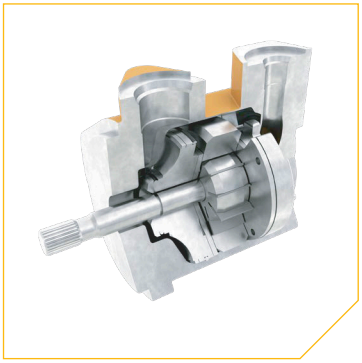
PUMP VARIETIES AND FEATURES ACCOMMODATE EVERY APPLICATION



GEAR PUMPS

Gear pumps are an incredibly helpful and versatile piece of equipment. With the use of rugged journal bearings, high-pressure end plates, and high-temperature seals, these pumps are designed to withstand intense conditions and extend the life of their components. With such an innovative design, gear pumps can truly push the boundaries of technological limits.

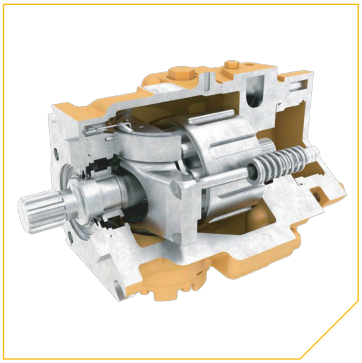
- Simple, rugged, and least expensive
- Higher resistance to contamination
- Well suited to lower-pressure, higher-flow applications
- More durable and reliable two-piece cast iron vs. three-piece aluminum design helps prevent shaft seal leaks that may result from impact
- Smaller units use valves to improve hydraulic system integration
- Available in fixed-displacement option



VANE PUMPS

Vane pumps, found on older machines, feature cam-rings that are designed to handle tougher duty cycles, including increased pressure limits. Additionally, their pressure plates and pressure seals are designed to be more durable and dependable for long-term use.

- Simple and inexpensive
- Used in less-demanding applications



PISTON PUMPS

Piston pumps are highly refined to satisfy your growing demand for increased hydraulic system efficiency, longer service life and improved overall value. Each pump model is customized to increase performance and life for a specific application.

- More efficient
- Higher pressure capabilities
- Pumps and motors are available in variable and fixed displacement configurations.

KEY POINTS OF DIFFERENTIATION

Cat products are designed to increase uptime and extend your machine's component life. We conduct rigorous testing and validation under real-world conditions, for improved operational stability and longevity of both components and the hydraulic system. Our efficient hydraulic fluid flow control improves service life, while our power density increases efficiency and performance. Additionally, our noise emissions are designed to be low, promoting job site safety.